## **LMA District Cover Sheet**

### **Spring 2012 Levee Inspection Results**

## **Reclamation District No. 1660 Tisdale**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				
	** Non-receipt of Su	ımmer or Winter Inspe	ection Reports may effec	ct overall annual rating
SPRING INSPECTIONS: Overall maintenance deficiencies are rated for the overall maintenance within the attached un	d using the same crite nce rating shown abo	ria in the spring and in	the fall.	
omments				

### **Unit Cover Sheet**

### **Spring 2012 Levee Inspection Results**

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles
Unit No. 01 Sacramento River	Left	3.00

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2012 - 3/27/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Ron Long			

#### Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

## Levee Inspection Report By Mile - Spring 2012

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.00	03/27/2012 03/27/2012	Bob Duffey

LMR	Levee	Mile	Category	Item	Location	Rating	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Category	item	tion	+ gu	Action/Comment	Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		0	0	13
								DWR ID: DWR_RI	D1660_01_s _ 2012_	_13
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		0 0	o o D1660_01_s _ 2012_	17
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		0	0	15
									D1660_01_s _ 2012_	
4	0.05	0.05	Earthen Levee	Encroachments	LS	M En	BU : Buildings	39.062643 ° -121.837857 ° DWR ID: DWR_RI	39.062643 ° -121.837857 ° <sup>01660</sup> _01_s _ 2012	12 Y _12
5	80.0	0.10	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.062208 ° -121.837889 ° -	39.061823 ° -121.837927 ° <sup>01660</sup> _01_s _ 2012	
6	1.12	1.43	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	39.047610 ° -121.838802 ° DWR ID: DWR_RI	39.043622 ° -121.836445 ° <sup>01660</sup> _01_s _ 2012	
7	1.26	1.26	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2009 - Erosion on levee toe where an old cobble site is failing. 2011: Some new minor erosion. [2011 Site ID: SAC_120-6_L]	39.044256 ° -121.837578 °	39.044330 ° -121.837626 °	11 Y
_								DWR ID: DWR_RI	01660_01_s _ 2012_	_11
8	2.04	2.38	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	39.037640 ° -121.828421 ° DWR ID: DWR_RI	39.034416 ° -121.825698 ° <sup>01660</sup> _01_s _ 2012	1 Y _1
9	2.42	2.42	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	39.034107 ° -121.825152 ° DWR ID: DWR_RI	39.034107 ° -121.825152 ° <sup>01660</sup> _01_s _ 2012	2
10	2.44	2.44	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	39.033858 ° -121.824985 ° DWR ID: DWR_RI	39.033858 ° -121.824985 ° <sup>01660</sup> _01_s _ 2012	
11	2.62	2.62	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.031520 ° -121.823420 ° DWR ID: DWR_RI	39.031520 ° -121.823420 °	Υ
12	2.63	2.63	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment	39.031405 ° -121.823403 ° DWR ID: DWR_RI	39.031405 ° -121.823403 ° -1660_01_s _ 2012	Υ
13	2.68	2.71	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	39.030891 ° -121.822956 ° DWR ID: DWR_RI	39.030436 ° -121.822617 °	5 _5

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Levee Inspection Report By Mile - Spring 2012

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.00	03/27/2012 03/27/2012	Bob Duffey

Levee Mile Report Line	4			
Start Levee Mile	0.05			
End Levee Mile	0.05			
Location	Land Side			
Category	Earthen Levee			
Item	Encroachments			
View of the building and fence at the landside toe.				

rduffey\_s\_20120416\_569.jpg

Levee Mile Report Line	5
Start Levee Mile	0.08
End Levee Mile	0.10
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of squirrel holes along the slope.

rduffey\_s\_20120312\_471.jpg

Levee Mile Report Line	6
Start Levee Mile	1.12
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the AG ditch alor	ng the L/S toe.







Location LS: Land Side WS : Water Side CR : Crown

rduffey\_s\_20120312\_472.jpg

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

## Levee Inspection Report By Mile - Spring 2012

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.00	03/27/2012 03/27/2012	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	1.26
End Levee Mile	1.26
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	

rduffey\_s\_20120312\_474.jpg

Levee Mile Report Line	8
Start Levee Mile	2.04
End Levee Mile	2.38
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the large ditch along the landside toe.

rduffey\_s\_20120312\_469.jpg

Levee Mile Report Line	11
Start Levee Mile	2.62
End Levee Mile	2.62
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of rodent holes alon	na the L/S slone

View of rodent holes along the L/S slope.

rduffey\_s\_20120312\_473.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

## Levee Inspection Report By Mile - Spring 2012

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	3.00	03/27/2012 03/27/2012	Bob Duffey

Levee Mile Report Line	12					
Start Levee Mile	2.63					
End Levee Mile	2.63					
Location	Land Side					
Category	Earthen Levee					
Item	Encroachments					
View of equipment along the slope.						
rduffey_s_20120312_470.jpg						



### **Unit Cover Sheet**

### **Spring 2012 Levee Inspection Results**

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles
Unit No. 02 Sutter Bypass	Right	9.14

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/212 - 3/27/2012			
DWR Inspector	Bob Duffey			
Accompanied By	Ron Long			

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## Levee Inspection Report By Mile - Spring 2012

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	9.14	03/27/0212 03/27/2012	Bob Duffey

LMR	Levee	Mile	Catagory	Item	Loca	Location/Comment  *Rating * Tating * Action/Comment		GPS Latitud	Latitude/Longitude	
No.	Start	End	Category	item	tion	ing	Action/Comment	Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		0	0	8
								DWR ID: DWR_RI	D1660_02_s _ 2012_	_8
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		0	0	9
								DWR ID: DWR_RI	D1660_02_s _ 2012_	_9
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma		0	•	10
								DWR ID: DWR_RI	D1660_02_s _ 2012_	_10
4	0.93	0.97	Earthen Levee	Animal Control	LS	A Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.045810 ° -121.748792 ° DWR ID: DWR_RI	39.046332 ° -121.749000 ° <sub>D1660_02_s_2012_</sub>	3 Y _3
5	1.55	1.55	Earthen Levee	Animal Control	WS	A Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Beaver holes were repaired by District.	39.054290 ° -121.752319 °	39.054290 ° -121.752319 °	7 Y
								DWR ID: DWR_RI	D1660_02_s _ 2012_	_7
6	1.57	1.61	Earthen Levee	Animal Control	LS	A Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.054595 ° -121.752460 ° DWR ID: DWR_RI	39.055170 ° -121.752698 ° <sub>D1660_02_s_2012_</sub>	4 Y _4
7	2.48	2.48	Earthen Levee	Animal Control	LS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.067027 ° -121.757622 ° DWR ID: DWR_RI	39.067027 ° -121.757622 ° <sub>D1660_02_s _ 2012_</sub>	5 _5
8	5.07	5.07	Earthen Levee	Animal Control	WS	A Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.102052 ° -121.774477 ° DWR ID: DWR_RI	39.102052 ° -121.774477 ° <sub>D1660_02_s_2012_</sub>	6 Y _6

\* Location
LS: Land Side
WS: Water Side
CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Levee Inspection Report By Mile - Spring 2012

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	9.14	03/27/0212 03/27/2012	Bob Duffey

Levee Mile Report Line	4				
Start Levee Mile	0.93				
End Levee Mile	0.97				
Location	Land Side				
Category	Earthen Levee				
Item	Animal Control				
View of rodent holes along the L/S slope.					

rduffey\_s\_20120312\_475.jpg

Levee Mile Report Line	5
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Animal Control

There were beaver holes at the toe of the levee that was repaired by the district.

rduffey\_s\_20120416\_572.jpg

Levee Mile Report Line	6				
Start Levee Mile	1.57				
End Levee Mile	1.61				
Location	Land Side				
Category	Earthen Levee				
Item	Animal Control				
View of rodent holes along the L/S slope.					

rduffey\_s\_20120312\_476.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite A : Acceptable
M : Minimally Acceptable
U : Unacceptable : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

## Levee Inspection Report By Mile - Spring 2012

## **Reclamation District No. 1660 Tisdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	9.14	03/27/0212 03/27/2012	Bob Duffey

Levee Mile Report Line	8
Start Levee Mile	5.07
End Levee Mile	5.07
Location	Water Side
Category	Earthen Levee
Item	Animal Control
View of the rodent holes along the W/S slope.	
rduffey_s_20120312_477.jpg	

